

Remarks

Claims 7, 12, 14, 15, 16, 21, 22 and 25-29 are canceled.

Claims 1, 2, 3, 8, 9, 13, 19, 20, 23 and 24 are amended.

Claims 1-6, 8-11, 13, 17-20, 23 and 24 are now pending and are under consideration.

Claim 1 is amended to be limited to a portion of the definitions of claim 7, that is where E is cyclohexyloxy. Support is in the last full paragraph of page 12.

Claim 1 is also amended to be limited to where the conventional flame retardant is tris[3-bromo-2,2-bis(bromomethyl)propyl] phosphate, the flame retardant of working Example 1.

Claim 1 is also amended to require the acid scavenger to be selected from hydrotalcites and amorphous basic aluminum magnesium carbonates, and where they are present from about 0.1% to about 1.0% by weight based on component (a). Support is found in original claims 15 and 16.

Claim 2 is amended to be more clear. The term "filler" is now "flame retardant or conventional filler". Support is found on page 5 of the specification, first 3 full paragraphs.

Claims 2 and 3 are amended to remove "about".

Claim 8 is amended to limit the hindered amine to a certain mixture of cyclohexyloxyamines.

Claim 9 is amended to be limited to cyclohexyloxy-substituted hindered amines. The last compound of claim 9 (the reaction product) is a subset of the hindered amine mixture described in claim 8.

Claim 13 is amended to be consistent with claim 1.

Claim 19 is amended to have proper Markush language.

Claim 20 is amended as is claim 1.

Claims 23 and 24 are amended to depend on claim 1. That the composition may be a molded article finds support in the specification, page 60, second full paragraph.

To summarize the amendments to the present claims, the hindered amine is required to be a cyclohexyloxy-substituted hindered amine, the conventional flame retardant is required to be tris[3-bromo-2,2-bis(bromomethyl)propyl] phosphate and the acid scavenger is required to be selected from hydrotalcites and amorphous basic aluminum magnesium carbonates, and where they are present from about 0.1% to about 1.0% by weight based on the polymer substrate.

No new matter is added.

Claims 2, 3, 25 and 26 are rejected under 35 USC 112, second paragraph for reasons of record.

These rejections are overcome by amendment as outlined above.

Applicants submit that the 35 USC 112, second paragraph rejections are addressed and are overcome.

Claims 1-15, 18-22 and 24-29 are rejected under 35 USC 102(b or e) as being anticipated by Funamaya, et al., U.S. Pat. No. 5,391,611, Zingg, et al., U.S. Pat. No. 6,881,773 or Delabroye, et al., published U.S. app. No. 2005/0004285.

These rejections are overcome by amendment as discussed above.

Applicants submit that the 35 USC 102(b or e) rejections are addressed and are overcome.

Claims 1-29 are rejected under 35 USC 103(a) as being unpatentable over Funamaya, Zingg or Delabroye in view of Hallenbeck, et al., U.S. Pat. No. 6,225,387 or Capocci, published U.S. app. No. 2003/0207969.

Applicants respectfully rebut these rejections.

Present working Example 1 discloses that a polypropylene plaque containing 1% of a cyclohexyloxy-substituted hindered amine, 14% of the conventional flame retardant tris[3-bromo-2,2-bis(bromomethyl)propyl] phosphate and 0.6% by weight of a present acid scavenger surprisingly achieves a V0 rating according to UL 94. The UL 94 test is outlined on page 61 of the specification.

Further, a Rule 132 Declaration by Dr. Nikolas Kaprinidis is attached herewith. The Declaration shows that surprisingly, as the amount of a present acid scavenger, hydrotalcite, is increased, the flame retardancy as measured according to UL 94 decreases. Applicants submit that the results of the Kaprinidis Declaration fully support the scope of the present claims and likewise support their patentability over the cited art.

In view of the present amendments, the above discussion and the Kaprinidis Declaration, Applicants submit that the 35 USC 112, second paragraph, the 35 USC 102(b or e) and the 35 USC 103(a) rejections are addressed and are overcome.

The Examiner is kindly requested to reconsider and to withdraw the present rejections.

Information Disclosure Statement

Applicants submit herewith a copy of WO 00/05304. The reference is listed on PTO form 1449. Also to be considered are:

U.S. Pat. No. 4,729,854

U.S. Pat. Nos. 6,472,456, 6,599,963 and 6,800,678, all of the same family as WO 99/00450, of record,

U.S. published app. No. 2004/0116565

U.S. published app. No. 2004/0097619 and

U.S. published app. No. 2005/0004294

The Examiner is kindly requested to consider these references and to indicate such by returning an initialed copy of PTO form 1449.

A fee letter is attached for submission of an IDS.

Respectfully submitted,



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Attachments: WO 00/05304

Fee letter

PTO form 1449

Declaration under Rule 132

Petition for a 2 month extension of time